

Unit 1: Measurement

Conversions Notes

Equivalencies:

Temperature:

$$C = (5/9) \times (F - 32)$$

$$F = ((9/5) \times C) + 32$$

Distance:

$$1 \text{ inch} = 2.54 \text{ cm}$$

$$1 \text{ mile} = 1.6 \text{ km}$$

Mass:

$$1 \text{ kg} = 2.2 \text{ lbs.}$$

Volume:

$$1 \text{ gallon} = 3.8 \text{ L}$$

Practice:

1. Convert 55 degrees Celsius to degrees Fahrenheit.
2. Convert 38 degrees Fahrenheit to degrees Celsius.
3. Convert 3 inches to centimeters.
4. Convert 45 centimeters to inches.

5. Convert 28 kilometers to miles.

6. Convert 22 miles to kilometers.

7. Convert 57 kilograms to pounds.

8. Convert 185 pounds to kilograms.

9. Convert 38 gallons to liters.

10. Convert 88 liters to gallons.